


SPHEROID FORMATION PROMOTER

Patent Number: JP10029951
 Publication date: 1998-02-03
 Inventor(s): FUNATSU KAZUMORI; MATSUSHITA MIGAKU; IJIMA HIROYUKI; KUMAZAWA EITARO
 Applicant(s): SNOW BRAND MILK PROD CO LTD; FUNATSU KAZUMORI
 Requested Patent: 
 Application Number: JP19960202876 19960712
 Priority Number(s):
 IPC Classification: A61K38/27 ; A61K38/27 ; A61K38/27
 EC Classification:
 Equivalents:

Abstract

PROBLEM TO BE SOLVED: To obtain both a hepatocyte steroid formation promoter and an artificial liver containing the promoter, comprising a hepatocyte growth factor and an epithelial cell growth factor.
SOLUTION: This steroid formation promoter comprises a combination of TCF-II (tumor cell obstacle factor, TCF for short) as a hepatocyte growth factor and an epithelial cell growth factor (EGF for short). The ratio of use is 10-10,000 TCF and 0-50 EGF. Preferably, the promoter is made into a form such as solution. The prepared spheroid formation promoter is used to give a multicellular type polyurethane/spheroid packed layer artificial liver. TCF is a known protein derived from a human fibroblast and is obtained by concentrating a culture solution of a human fibroblast, adsorbing the solution on an ion exchanger and purifying or by a genetic engineering method. A hepatocyte spheroid to become the base of an artificial liver is efficiently obtained in a short period.

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JP10029951 **Biblio** | **Drawing**

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最終頁に続く

(54) 【発明の名称】 スフェロイド形成促進剤

(57) 【要約】

【課題】 肝細胞スフェロイド形成促進剤及びそれを含有する人工肝臓の提供。

【解決手段】 肝細胞増殖因子及び上皮細胞増殖因子よりなるスフェロイド形成促進剤。該スフェロイド形成促進剤を含有する人工肝臓。肝細胞増殖因子としては、T C F-Ⅱが用いられる肝細胞スフェロイドの形成を、短時間で効率的に促進し、効率的な人工肝臓を得ることができる。